

A handbook on the use of CCTV in nature watching, conservation and ecological research. CCTV offers a unique ability to monitor wildlife in real time, stream video to the web, capture imagery of fast-moving species or 'cold' animals such as wet otters or fish and maintain monitoring over long periods of time in a diverse array of habitats. Wildlife watchers can take advantage of a huge range of CCTV cameras, recording devices and accessories developed for use in non-wildlife applications. CCTV allows intimate study of animal behaviour not possible with other technologies.

With expert experience in engineering, photography and wildlife, Susan Young describes CCTV equipment and techniques, giving readers the confidence to tackle what initially may seem technically challenging. The book enables the reader to navigate the technical aspects of recording: basic analogue, high definition HD-TVI and IP cameras, portable CCTV, digital video recorders (DVR) and video processing by focusing on practical applications.

In-depth methods for recording foxes, badger, deer, otters, small mammals and fish are included. Examples of recorded footage illustrate the book along with detailed diagrams on camera set-ups and links to accompanying videos on YouTube. Case studies show real projects, both the equipment used and the results.

- » Complete guide to choosing equipment, setting it up and getting the best results
- » Diverse case studies demonstrate the use of CCTV to monitor wildlife including bats, birds, ponds, rock pools and badgers
- » Accompanying YouTube videos filmed by the author

About the Author

Susan Young is a photographer and writer with a background in physics and engineering, and a passion for wildlife. Her previous writing has covered topics from wildlife photography to computer techniques for gardeners. She has used CCTV to monitor Barbastelle bats and developed portable CCTV monitoring protocols as part of pioneering on-going research with Natural England and the Woodland Trust.

About the Data in the Wild series

A series of practical books, sharing key tools and methods for the collection, analysis and interpretation of environmental data.

Cover images: Top left: Long-eared bat (*Plecotus* sp.) video still from a 1,000 TVL analogue CCTV camera. Top right: Badger (*Meles meles*) video still from an IP CCTV camera. Bottom left: Bank vole (*Clethrionomys glareolus*) video still from an IP CCTV camera. Bottom right: Blue tit (*Parus caeruleus*) and great tit (*Parus major*) video stills from an HD-TVI camera.

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